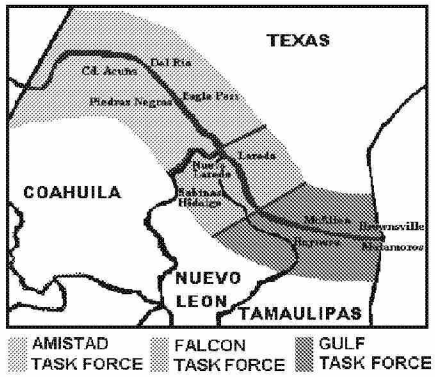
BORDER 2020
2018-2019 Action Plan
TX-COAH-TAMP-NL Regional Workgroup
Amistad Task Force
July 2018



The Four-State Regional Workgroup is the most complex of the four regional workgroups because of its geographical extension and the number of municipalities. The region includes parts of three states and at least 29 municipalities on the Mexican side and 168 cities and towns on the U.S. side. Recognizing this, the workgroup divided itself into three geographically-based Task Forces—Amistad, Falcon, and Gulf--each of which established subject-specific committees related to its priority concerns.

Border 2020 has five goals and the regional work groups propose projects to implement these goals. These projects are tracked in two-year revolving work plans. The 2017-2018 version is the second of its kind. Several projects have been carried over from the 2015-2016 Action Plan. Due to consensus by the Four State Workgroup, a sixth goal for health and education projects was included. Projects are organized by Border 2020 goals and objectives.

In October of 2016, the three task forces held meetings to discuss initial priorities for the 2017-2018 Action Plan as well as several conference calls with leaders to develop a consensus of priorities at the local and regional workgroup levels.

Amistad Task Force

Goal 1: Reduce Air Pollution

1. Establish and strengthen vehicle emissions programs in Acuña, Piedras Negras and Nava
2. Promote initiatives to develop energy efficiency and reforestation programs in the industrial sector in Acuña and Piedras Negras
3. Promote the implementation of strategies by the SEMARNAT PRO AIRE air quality program in Acuña, Piedras Negras and Nava

Goal 2: Improve Access to Clean and Safe Water

1. Conduct water quality monitoring of tributaries along the Rio Grande in Acuña and Piedras Negras
2. Develop Fats, Oils and Grease (FOG) workshops in Acuña and Piedras Negras, replicating the model in Laredo
3. Promote and develop green infrastructure projects and water conservation programs in Acuña and Piedras Negras

Goal 3: Promote Materials Management, Waste Management and Clean Sites

1. Promote the implementation of integrated solid, household hazardous waste and used electronic programs in Acuña and Piedras Negras
2. Strengthen scrap tire management programs and promote scrap tire reuse for projects in Acuña and Piedras Negras
3. Promote initiatives to develop plastic bag reduction programs in Acuña and Piedras Negras

Goal 4: Enhance Joint Preparedness for Environmental Response

1. Update the directory of emergency response personnel in the Acuña-Del Rio and Eagle Pass-Piedras Negras and develop a knowledge exchange workshop in Eagle Pass
2. Coordinate two emergency response tabletop exercises and joint response drills between Eagle Pass and Piedras Negras and Del Rio and Acuña

Promote Cross-Cutting Efforts Related to Environmental Health & Environmental Education

1. Develop awareness programs on vector borne illnesses such as Zika and Dengue virus in Acuña and Piedras Negras
2. Launch a binational environmental education program on recycling, energy efficiency and water conservation in Eagle Pass and Piedras Negras using social and broadcast media

Border 2020

2018-2019 Action Plan Grid
Amistad Task Force

Legend:

- Activity covers at least two task force areas
- Amistad Task Force

GOAL # 1: Reduce Air Pollution

Project N°	Description of Project	Collaborating Organizations	Anticipated Cost	Source(s) of Funding	Contact(s)	Objective 2018-2019	Progress Towards Target
1.5.01	**Coahuila Climate Action Plan** Initiate Phase 2 of the State Climate Action Plan (PEAC, in Spanish) for Coahuila: quantification of mitigation policies selected in Phase 1.	Coahuila State Government and BECC	$275,000	BECC	Tomás Balarezo, BECC, tbalarezo@cocef.org	Organize meetings with the technical work groups, the advisory group, and the Climate Change Committee.	The project is currently in the Microeconomic and Public Policy Phase for Coahuila. Meetings have been held with the Technical Working Groups, the Advisory Group, and the Climate Change Committee. The document is being adjusted for

							publication in the Official Journal of the State.
1.5.02	**Air Quality Network in Coahuila** Establish an air quality monitoring network in the areas of Piedras Negras-Nava, Acuña, Sabinas, and Saltillo, Coahuila.	SEMA (Coahuila), Municipalities of Piedras Negras, Acuña, Nava, Sabinas, Saltillo	12 Million Pesos	SEMARNAT	Santiago Barrios, SEMA/Coahuila, santiago.barrios@sema.gob.mx	Initiate the project. It is currently in the review phase prior to bidding.	The project has been authorized and is in the review phase prior to bidding. Three air monitoring stations were installed and have been operating for a year. Two mobile monitoring stations are in the process of being purchased by the state.
1.5.03	**PROAIRE** Implement an air quality management program in the State of Coahuila.	SMADU (Coahuila) Nucleus Committee		SMADU	Oscar Flores , SMADU/Coahuila, oscar.flores@sema.gob.mx	Consolidate the Nucleus Committee.	Meetings to review progress and follow up on goals and objectives.

Goal # 2: Improve Access to Clean and Safe Water

Project N°	Description of Project	Collaborating Organizations	Anticipated Cost	Source(s) of funding	Contact(s)	Objective 2018-2019	Progress Towards Target
Objective 3: Work bi-nationally to identify and reduce surface water contamination in transboundary waterbodies or watersheds.							
2.3.04	**Green Infrastructure Workshop**	SEMA, COCEF		SEMA, COCEF	Tomás Balarezo, COCEF, tbalarezo@cocef.org	Train municipalities in border states on Green infrastructure.	Two workshops were held. On April 21, 2015, 05 municipalities from the Southeast region participated. A second workshop on May 27, 2015 included attendees from 10

							municipalities in the Central and Desert regions. The Green Infrastructure Forum was held on September 21 and 22 with the participation of states along the border.
Project N°	**Description of Project**	**Collaborating Organizations**	**Anticipated Cost**	**Source(s) of funding**	**Contact(s)**	**Objective 2018-2019**	**Progress Towards Target**
2.3.05	**Construction of a water pipeline from the "Los Potreros" spring to Nava, Coahuila**	Coahuila de Zaragoza State Government, National Water Commission, City of Nava, Coahuila	74 million pesos	CONAGUA, NADBANK and City of Nava Coah.	Lic. Lemuel Burciaga Acosta, CEAS Raul.lemuel@ceas.gob.mx	Finalize the construction of a pipeline to the Nava Water Plant	The water pipeline will extend 23.1 km (about 14.2 miles) and it is 30 by 24" in diameter, benefiting more tan 22,190 residents in the city of Nava. The project is in progress.
2.3.06	**Extension of the water pipeline of San Carlos to Jiménez.**	Coahuila de Zaragoza State Government, National Water Commission, and the Municipality of Jiménez, Coahuila	16 million pesos	CONAGUA, NADBANK and Municipality of Jiménez, Coah.	Lic. Lemuel Burciaga Acosta, CEAS Raul.lemuel@ceas.gob.mx	Finish the extensión of the water pipeline.	The pipeline will provide drinking water to the Municipality of Jiménez, Coahuila. The first phase consists of finishing the extensión of 8.5 km (5.3 miles) from San Carlos to EJ Tepeyac. The project is in progress
2.3.07	**Construction of the Wastewater Treatment Plant in Allende, Coahuila**	Coahuila de Zaragoza State Government, National Water Commission, and the Municipality of Allende, Coahuila	70 million pesos	CONAGUA, NADBANK and Municipality of Allende Coah.	Lic. Lemuel Burciaga Acosta, CEAS Raul.lemuel@ceas.gob.mx	Update the engineering plans and the design of the plant	The wastewater treatment plant will have a treatment capacity of 60 LPS (1.3 million gallons per day) and will benefit more than 22,043 residents. The project is in progress.

2.3.08	**Construction of the Wastewater Treatment Plant in Nava, Coahuila**	Coahuila de Zaragoza State Government, National Water Commission, Municipality of Nava Coahuila	70 million pesos	CONAGUA, NADBANK and Municipality of Nava Coah.	Lic. Lemuel Burciaga Acosta, CEAS Raul.lemuel@ceas.gob.mx	Update the engineering plans and the design of the plant	The wastewater treatment plant will have a treatment capacity of 60 LPS (1.3 million gallons per day) and will benefit more than 22,190 residents. The project is in progress.
2.3.09	**Construction of the Wastewater Treatment Plant in Zaragoza Coah**	Coahuila de Zaragoza State Government, National Water Commission and the Municipality of Zaragoza, Coahuila	48 million pesos	CONAGUA, NADBANK and Municipality of Zaragoza Coah.	Lic. Lemuel Burciaga Acosta, CEAS Raul.lemuel@ceas.gob.mx	Elaborate the engineering plans and the design of the plant	The wastewater treatment plant will have a treatment capacity of 30 LPS (684,600 gallons per day) and will benefit more than 10,750 residents in Zaragoza, Coahuila. The project is in progress
2.3.10	**Construction of the Wastewater Treatment Plant in Morelos Coah**	Coahuila de Zaragoza State Government, National Water Commission and Municipality of Morelos Coah.	39 million pesos	CONAGUA, NADBANK and Municipality of Morelos Coah.	Lic. Lemuel Burciaga Acosta, CEAS Raul.lemuel@ceas.gob.mx	Planning phase of the design of the plant	The wastewater treatment plant will have a treatment capacity of 20 LPS (456,400 gallons per day) and will benefit more than 7,600 residents in Morelos, Coahuila. The project is under review.

2.3.11	**Construction of sanitary sewer lines and wastewater treatment plant in San Carlos municipality of Jiménez, Coahuila**.	Coahuila de Zaragoza State Government, National Water Commission and Municipality of Jiménez, Coahuila.	55 million pesos	CONAGUA, NADBANK and Municipality of Jimenez, Coah.	Lic. Lemuel Burciaga Acosta, CEAS Raul.lemuel@ceas.gob.mx	Design the engineering plan for the construction of sanitary sewer lines and the wastewater treatment plant	Sanitary sewer lines will be constructed to connect them to the wastewater treatment plant, which will have a treatment capacity of 10 LPS (228, 200 gallons per day), benefiting more than 3,300 residents in Jiménez, Coahuila. The project is under review
2.3.12	**Construction of Stormwater System in Piedras Negras Coah. (Arroyos: El Soldado, Primavera, El Tornillo and Downtown Area)**	Coahuila de Zaragoza State Government, National Water Commission and Municipality of Piedras Negras Coah.	$190.000 pesos	CONAGUA, NADBANK and Municipality of Piedras Negras Coah.	Lic. Lemuel Burciaga Acosta, CEAS Raul.lemuel@ceas.gob.mx	Elaborate the architectural plans of the stormwater lines	Stormwater lines will be constructed to reduce flooding in Piedras Negras, Coahuila. The project is in progress
2.3.13	**Construction of Stormwater System in Ciudad Acuña, Coah. (Arroyos: El Abuelo, Santa Martha, El Macho, La Hormiga and Downtown area)**	Coahuila de Zaragoza State Government, National Water Commission and Municipality of Acuña Coahuila.	$180.000 pesos	CONAGUA, NADBANK and Municipality of Acuña, Coah.	Lic. Lemuel Burciaga Acosta, CEAS Raul.lemuel@ceas.gob.mx	Elaborate the architectural plans of the stormwater lines	Stormwater lines will be constructed to reduce flooding in Ciudad Acuña, Coahuila. The project is in progress

2.3.14	**Strategy for Reduction and Prevention of Disasters in Ciudad Acuña, COAH and Del Río, TX.** Develop manuals to improve sanitation and stormwater management plans in Cd. Acuña and develop educational projects to reduce environmental risks,	Universidad Carolina	$26,035.00 dollars	NADBANK Border 2020	Arq. Cecilia Pelletier Bravo, Universidad de Carolina cpelletierbravo@gmail.com	Master Plan including Green Infrastrusture and stormwater * Development of a Green Infrastructure Manual * Urban Planning Workshops	

Goal # 3: Promote Materials Management, Waste Management, and Clean Sites

Project N°	Description of Project	Collaborating Organizations	Anticipated Cost	Source(s) of funding	Points of Contact(s)	Objective 2017-2018	Progress Towards Target
Objective 1: By 2020, increase local and state-level knowledge and experience in the area of sustainable material management practices.							
3.1.03	**Construction of and Equipment for Type A Landfill in the Coal Deposit Region**	SEMA, SEMARNAT, Municipalities of Múzquiz and Sabinas	25 Millones Pesos	SEMARNAT PEF 2015	Oscar Flores, SEMA, oscar.flores@sema.gob.mx 01152844 698-1091 ext. 7268	Start of operations. Second semester of 2018	Conduct soil studies. Under analysis prior to request for bids. The construction of the landfill started in September 2017, it is in the construction phase. The project is still in progress
3.1.04	**Construction of and Equipment for a Regional Landfill in the**	SEMA, Municipality of Juárez and Progreso	8 Millones Pesos	PEMEX Hydrocarbon Fund	Oscar Flores, SEMA, oscar.flores@sema.gob.mx	Start of operations.	Under analysis prior to request for bids.

	Municipalities of Juárez and Progreso, Coahuila				01152844 698-1091 ext.7268	Second semester of 2018	The landfill is in the construction phase. The project is still in progress.
3.1.06	**RECOLECTRÓN Program** Collection program for used electronics in the municipalities. Inform and educate the population of the benefits of reusing used electronic products.	SEMA, Municipalities of Acuña, Allende, Nava and Sabinas	2 Million Pesos $16,777	SEMA Border 2020	Griselda Salas Alemán, SEMA, griselda.salas@sema.gob.mx Oscar Flores, SEMA, 01152844 698-10-91 ext.7268 oscar.flores@sema.gob.mx	Continue collecting tons of waste. Conduct an assessment as well as training of municipal ecology staff on used electronics and implement actions for adequate disposal.	From 2012 to November 2017 more than 494 tons of used electronics were collected in the state. In this region in particular, 114.79 tons were collected. The campaign for the North and Five Springs area is scheduled for September 2018. The project is still in progress.
3.1.07	**Responsible Disposal of Tires** Operation of a scrap tire disposal center. Using three slices, reduce the volume and risk of standing water, a breeding ground for mosquitoes (vectors for dengue fever).	Municipality of Acuña, Coahuila	$12,000	Municipio de Acuña, Coahuila	Biól. Carlos Alejandro Flores Diego, Director of Ecology, floresdiegocarlos@yahoo.com.mx 01152877 773-1458	Continue collecting tons of waste.	A regulatory framework regulates management and a program is underway for storage, but infrastructure is required for final disposal. The municipio created a certification program for auto body shops and generators that manage scrap tires, which requires these establishments to cut the tires in three pieces to properly dispose them, and maintain their operating license. In May, the municipio will renew the operating licenses of these establishments to continue with this process.

							More than 62,000 scrap tires were disposed using this method. The municipio is in the process of opening a cell at a site near the landfill to bury the tire pieces, beginning in August 2018. The project is ongoing.
3.1.11	**Green Office Program** The Secretariat of Environment in Coahuila's Green Office Program is an opportunity for offices to incorporate efficient actions to use resources more efficiently, and where the participation of office workers is the key to transforming your office to an environmentally responsible office.	SMADU		SMADU	Griselda Salas Alemán, SMADU, griselda.salas@sema.gob.mx	Develop a collaborative environmental approach among workers of an organization or institution, to carry out actions guided by environmental committees that work with eficient electrical energy indicators, water use efficiency, separation of waste, efficient use of office supplies and maintenance and efficient gasoline use and verification of vehicular fleet.	More than 152 public and private entities participate in the Green Office Program at the state level, of which 13 are in Acuña, two in Piedras Negras and one in Nava. The global results of the program since its inception in 2012 are: **Electrical Energy:** • 76,035.486 MW saved • 50,706.478 Tons of GGH not emitted • Economic Savings: $176´225,863.00 pesos **Separation of waste:** • Paper and cardboard: 3,958.27 Ton • 459 Ton of aluminum • 630 Ton of plastic material • 213 Ton of organic waste • 150.42 Tons of mixed steel • 669.11 Tons of wood • 654.03 Tons of glass

3.1.12	**Reduction of Ecological Footprint**	SMADU		SMADU	Griselda Salas Alemán, SMADU, griselda.salas@sema.gob.mx	Implement ecoefficiency initiatives in households, using an online educational tool.	More than 12 universities and intermediate and higher academic institutions have participated, of which one is in Piedras Negras and one in Acuña. The results are: Teachers: 55 Students: 3,007 Ecoefficiency initiatives implemented: 34,410 KW saved: 188,870 Cubic meters of water saved: 11,096 Cubic meters of gas saved: 5,075 Tons of CO2 reduced: 91.9 Tons of SOx reduced: 2.3 Tons de NOx reduced: 0.31 Ecomonic savings: $684,557.00 pesos NOTE: The applications is part of the curriculum of the Technological Institute of Saltillo. We are trying for other academic institutions to add it to their curriculum.